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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/575,278
Filing Date	10/08/2004
First Named Inventor	James E. Van Buskirk
Art Unit	NYA
Examiner Name	NYA
Attorney Docket Number	281450-00212

Total Number of Pages in This Submission

ENCLOSURES   *(Check all that apply)*

- [ ] Fee Transmittal Form
  - [ ] Fee Attached
- [ ] Amendment/Reply
  - [ ] After Final
  - [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [ ] Information Disclosure Statement
- [ ] Certified Copy of Priority Document(s)
- [ ] Reply to Missing Parts/ Incomplete Application
  - [ ] Reply to Missing Parts under 37 CFR 1.52 or 1.53

- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert to a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [x] CD, Number of CD(s) 2
  - [ ] Landscape Table on CD

- [ ] After Allowance Communication to TC
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- [ ] Proprietary Information
- [ ] Status Letter
- [ ] Other Enclosure(s) (please Identify below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

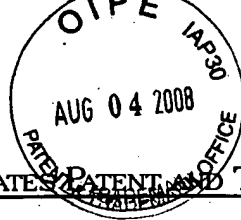| Firm Name	Katten Muchin Rosenman, LLP	
Signature	*(signature)*	
Printed name	John S. Paniaguas	
Date	August 1, 2008	Reg. No. 31,051

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	*(signature)*		
Typed or printed name	Michael S. Tomsa	Date	August 1, 2008

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/575,278	James E. Van Buskirk	28145000212

Patent Administrator
Katten Machin Roseman
525 West Monroe Street
Chicago, IL 60661

INTERNATIONAL APPLICATION NO.	
PCT/US04/33290	

I.A. FILING DATE	PRIORITY DATE
10/08/2004	10/09/2003

CONFIRMATION NO. 3697
371 FORMALITIES LETTER

OC000000030984434

Date Mailed: 07/17/2008

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- Priority Document
- Copy of the International Application filed on 04/10/2006
- Copy of the International Search Report filed on 04/10/2006
- Copy of IPE Report filed on 03/05/2007
- Preliminary Amendments filed on 04/10/2006
- Information Disclosure Statements filed on 08/10/2006
- Biochemical Sequence Diskette filed on 03/05/2007
- Oath or Declaration filed on 03/05/2007
- Biochemical Sequence Listing filed on 04/10/2006
- U.S. Basic National Fees filed on 04/10/2006
- Assignment filed on 02/27/2007
- Priority Documents filed on 04/10/2006
- Power of Attorney filed on 03/05/2007
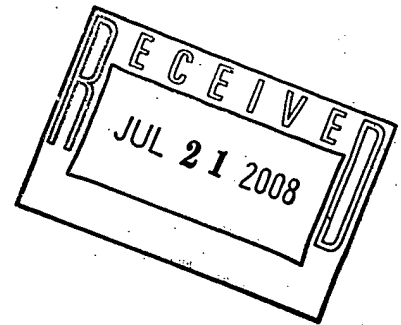
Applicant's response filed 03/05/2007 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 11/20/2006 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Refer to attachment or PAIR document dated .

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  • **For Rules Interpretation, call (571) 272-0951**
  • **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
  • **Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at http://www.uspto.gov/ebc.

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Telephone: (703) 308-9140 EXT 204
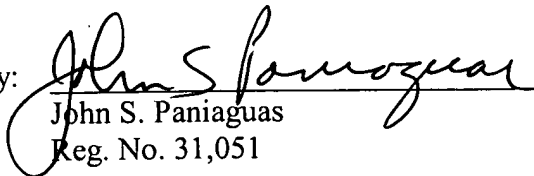
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):   James Edwin Van Buskirk

Serial No.:   10/575,278

Filing Date: October 8, 2004

Title: Method, Apparatus and System for Synthesizing an Audio Performance Using Convolution at Multiple Sample Rates

Group Art Unit: Not yet assigned.

Examiner: Not yet assigned.

## TRANSMITTAL LETTER FOR COMPACT DISC SUBMISSION

Enclosed are two compact discs having identical copies of one computer program listing. The compact discs are in Read-Only format and are in full compliance with the American Standard Code for Information Interchange (ASCII). The machine format for the compact discs is IBM-PC and the operating system compatibility is Windows. A listing of files contained on the compact discs, including files names, sizes in bytes, and dates of creation is attached hereto.

By: _____

John S. Paniaguas

Reg. No. 31,051

KATTEN MUCHIN ROSENMAN LLP
2900 K Street NW
    Suite 200
Washington, D.C. 20007
Telephone: (312) 902-5200
Facsimile: (312) 902-1061

File Name	▲	File Date	File Size	File Kind
▼ 📁				
📄 FILTER.CPP		04/28/2004	95 KB	Plain text
▼ 📁 Filter Coefficient Data		10/08/2004	306 bytes	Folder
📄 ExpSRC1.cpp		04/26/2002	16 KB	Plain text
📄 PolyphaseGen1.cpp		03/24/2003	11 KB	Plain text
📄 PolyphaseGen1Dev.cpp		04/26/2002	9 KB	Plain text
📄 PolyphaseGen1_X18u.cpp		06/12/2003	11 KB	Plain text
📄 lpf.txt		10/08/2003	344 bytes	Plain text
📄 pcm2floatText.cpp		10/08/2003	2 KB	Plain text
📄 polybank.txt		10/08/2003	22.02 MB	Plain text
📄 GPulseDataIO.cpp		07/23/2004	334 KB	Plain text
📄 GigaPulse SRS V1.003.txt		10/08/2003	20 KB	Plain text
▼ 📁 Impulse Data		08/01/2008	578 bytes	Folder
📄 Binary Impulse Data file format.txt		10/08/2003	12 KB	Plain text
📄 dat2floatText.cpp		10/08/2003	2 KB	Plain text
📄 emulated_akgc24.txt		10/08/2003	852 KB	Plain text
📄 emulated_md421.txt		10/08/2003	843 KB	Plain text
📄 emulated_nt1000.txt		10/08/2003	171 KB	Plain text
📄 exct1.txt		10/08/2003	179 KB	Plain text
📄 inv_emulated_akgc24.txt		10/08/2003	857 KB	Plain text
📄 inv_emulated_md421.txt		10/08/2003	851 KB	Plain text
📄 inv_emulated_nt1000.txt		10/08/2003	172 KB	Plain text
📄 micnone.txt		10/08/2003	164 KB	Plain text
📄 musnone.txt		10/08/2003	574 KB	Plain text
📄 neck2bridge.txt		10/08/2003	165 KB	Plain text
📄 pedupdown2.txt		10/08/2003	5.44 MB	Plain text
📄 tensecs.txt		10/08/2003	2.75 MB	Plain text
📄 MMODEL.H		05/05/2004	28 KB	Plain text
📄 NFXSYS.H		08/12/2003	5 KB	Plain text

▼ 📁 GigaPulse Patent CD - full	08/01/2008	544 bytes	Folder
▼ 📁 EWCTL32	10/08/2004	170 bytes	Folder
📄 FXManager.cpp	08/20/2004	97 KB	Plain text
📄 FxbFxpFileIO.cpp	07/23/2004	25 KB	Plain text
📄 MPORT.CPP	07/20/2004	41 KB	Plain text
▼ 📁 Filter Coefficient Data	10/08/2004	306 bytes	Folder
📄 ExpSRC1.cpp	04/26/2002	16 KB	Plain text
📄 PolyphaseGen1.cpp	03/24/2003	11 KB	Plain text
📄 PolyphaseGen1Dev.cpp	04/26/2002	9 KB	Plain text
📄 PolyphaseGen1_X18u.cpp	06/12/2003	11 KB	Plain text
📄 lpf.txt	10/08/2003	344 bytes	Plain text
📄 pcm2floatText.cpp	10/08/2003	2 KB	Plain text
📄 polybank.txt	10/08/2003	22.02 MB	Plain text
▼ 📁 GPulseFileIO	10/08/2004	816 bytes	Folder
📄 MapsEncoderFileIOMicrophone.cpp	01/19/2004	29 KB	Plain text
📄 MapsFileIO.h	06/18/2004	6 KB	Plain text
📄 MapsFileIO_INIDAT.h	04/06/2004	8 KB	Plain text
📄 MapsFileIO_Master.cpp	07/23/2004	235 KB	Plain text
📄 MapsFileIO_Mic.cpp	03/17/2004	6 KB	Plain text
📄 MapsFileIO_Mic_IIS.cpp	11/24/2003	6 KB	Plain text
📄 MapsFileIO_Mic_IIS.h	03/17/2004	2 KB	Plain text
📄 MapsFileIO_Mic_INIDAT.cpp	05/03/2004	41 KB	Plain text
📄 MapsFileIO_Mic_INIDAT.h	03/17/2004	3 KB	Plain text
📄 MapsFileIO_Plc.cpp	06/18/2004	20 KB	Plain text
📄 MapsFileIO_Plc.h	06/17/2004	4 KB	Plain text
📄 MapsFileIO_Plc_Gig.cpp	07/19/2004	59 KB	Plain text
📄 MapsFileIO_Plc_Gig.h	06/28/2004	5 KB	Plain text
📄 MapsFileIO_Plc_IIS.cpp	06/17/2004	58 KB	Plain text
📄 MapsFileIO_Plc_IIS.h	06/17/2004	4 KB	Plain text
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📄 MapsFileIO_Plc_INIDAT.h	06/09/2004	5 KB	Plain text
📄 StdAfx.cpp	10/10/2003	210 bytes	Plain text
📄 StdAfx.h	04/28/2004	990 bytes	Plain text
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📄 mapsfileio_master.h	07/19/2004	15 KB	Plain text
📄 mapsfileio_mic.h	11/24/2003	2 KB	Plain text
▼ 📁 GPulseNFX	08/01/2008	578 bytes	Folder
📄 GPulseDataIO.cpp	07/23/2004	334 KB	Plain text
📄 GPulseDataIO.h	07/23/2004	19 KB	Plain text
📄 GPulseInterface.cpp	07/28/2004	23 KB	Plain text
📄 GPulseInterface.h	12/31/2003	2 KB	Plain text

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GigaPulseEncoderData.cpp	09/16/2004	287 KB	Plain text
GigaPulseEncoderData.h	07/19/2004	10 KB	Plain text
MapsDlgs.h	02/20/2004	2 KB	Plain text
MicGroupEncoderData.cpp	07/19/2004	95 KB	Plain text
MicGroupEncoderData.h	07/07/2004	3 KB	Plain text
PresetEdit.cpp	05/24/2004	1 KB	Plain text
PresetEdit.h	05/24/2004	1 KB	Plain text
StdAfx.cpp	10/10/2003	830 bytes	Plain text
StdAfx.h	03/17/2004	2 KB	Plain text
resource.h	05/24/2004	2 KB	Plain text
GigaPulse SRS V1.003.txt	10/08/2003	20 KB	Plain text
GigaPulseUI	08/01/2008	1 KB	Folder
CollapsibleMicControlsPane.cpp	06/09/2004	12 KB	Plain text
CollapsibleMicControlsPane.h	05/26/2004	3 KB	Plain text
DecoderMuteGroup.cpp	06/28/2004	11 KB	Plain text
DecoderMuteGroup.h	05/05/2004	3 KB	Plain text
DecoderWnd.cpp	05/05/2004	19 KB	Plain text
DecoderWnd.h	03/23/2004	4 KB	Plain text
EncoderWnd.cpp	04/05/2004	29 KB	Plain text
EncoderWnd.h	01/05/2004	5 KB	Plain text
GigaFXData.h	01/21/2004	5 KB	Plain text
GigaPulseData.cpp	07/19/2004	32 KB	Plain text
GigaPulseData.h	07/23/2004	18 KB	Plain text
GigaPulsePluginData.cpp	04/14/2004	0 bytes	Plain text
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MicGroupData.cpp	06/28/2004	14 KB	Plain text
MicGroupData.h	06/28/2004	5 KB	Plain text
MicModelGroup.cpp	07/12/2004	24 KB	Plain text
MicModelGroup.h	11/26/2003	4 KB	Plain text
MicModelPair.cpp	11/20/2003	6 KB	Plain text
MicModelPair.h	11/20/2003	3 KB	Plain text
PlacementGroup.cpp	07/23/2004	37 KB	Plain text

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PlugInWnd.cpp	01/05/2004	19 KB	Plain text
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emulated_md421.txt	10/08/2003	843 KB	Plain text
emulated_nt1000.txt	10/08/2003	171 KB	Plain text
exct1.txt	10/08/2003	179 KB	Plain text
inv_emulated_akgc24.txt	10/08/2003	857 KB	Plain text
inv_emulated_md421.txt	10/08/2003	851 KB	Plain text
inv_emulated_nt1000.txt	10/08/2003	172 KB	Plain text
micnone.txt	10/08/2003	164 KB	Plain text
musnone.txt	10/08/2003	574 KB	Plain text
neck2bridge.txt	10/08/2003	165 KB	Plain text
pedupdown2.txt	10/08/2003	5.44 MB	Plain text
tensecs.txt	10/08/2003	2.75 MB	Plain text
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COMMON.H	12/02/2002	599 bytes	Plain text
DRIVER.CPP	11/19/2003	4 KB	Plain text
FILTER.CPP	04/28/2004	95 KB	Plain text
NFXSYS.H	04/28/2004	5 KB	Plain text
▼ MAPSCommon	08/01/2008	136 bytes	Folder
▼ inc	10/08/2004	238 bytes	Folder
IPPDEFS.H	07/09/2003	12 KB	Plain text
ippmerged.h	11/21/2002	1 KB	Plain text
ipps.h	07/09/2003	314 KB	Plain text
ippsdrv.h	07/09/2003	3 KB	Plain text
mmodel.h	05/05/2004	28 KB	Plain text
▼ MapsMgr	08/01/2008	1 KB	Folder

▼ MapsMgr	06/01/2003	1 KB	Folder
AdvancedGPulseConfig.cpp	12/31/2003	2 KB	Plain text
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Browse4Dir.cpp	06/28/2004	38 KB	Plain text
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MasterPlacementCfg.cpp	06/18/2004	164 KB	Plain text
MasterPlacementCfg.h	06/17/2004	5 KB	Plain text
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Utils.cpp	04/22/2004	9 KB	Plain text
Utils.h	04/14/2004	2 KB	Plain text
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UtilsUI.cpp	04/30/2004	5 KB	Plain text
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NSTATION	10/08/2004	238 bytes	Folder
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NSDRIVER.H	08/20/2004	14 KB	Plain text
NSTATION.CPP	04/08/2004	22 KB	Plain text
clist.cpp	11/21/2002	3 KB	Plain text
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ew.sys	08/01/2008	374 bytes	Folder
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MPARSER.C	09/29/2003	183 KB	Plain text
NFX.C	05/27/2003	22 KB	Plain text
NSIF.CPP	06/17/2003	10 KB	Plain text
SYNENGC.C	08/18/2003	7 KB	Plain text
fadPanTb.c	05/20/2003	236 KB	Plain text
i386	08/01/2008	102 bytes	Folder
impfp01.c	03/24/2003	1.50 MB	Plain text
nmexpdrv	08/01/2008	340 bytes	Folder
CPUID.H	07/18/2003	1 KB	Plain text
cpudef.h	11/21/2002	10 KB	Plain text
exit.c	11/21/2002	1 KB	Plain text
funclist.h	07/18/2003	1 KB	Plain text
ippmerged.c	07/18/2003	9 KB	Plain text
ippsexp.c	11/21/2002	1 KB	Plain text
ippsexp.h	11/21/2002	1 KB	Plain text